



INSTRUCTIONS – Field Replacement

CONTACT ARMS, ARC CHUTES, LINE and LOAD STRAPS, HANDLE ASSEMBLY Type S2500 Molded Case Circuit Breaker

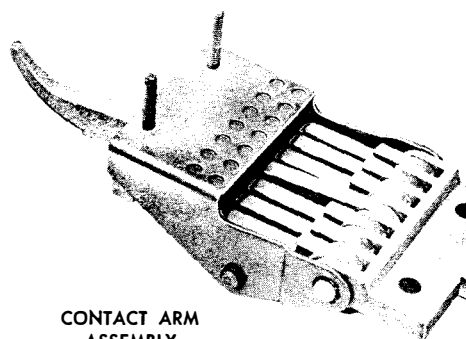
Part Name	Cat. No.
CONTACT ARM ASSEMBLY – All Poles	567B161
ARC CHUTE ASSEMBLY – All Poles	567B163
LINE STRAP ASSEMBLY – All Poles	794A641
LOAD STRAP ASSEMBLY – All Poles	794A690
HANDLE	456C143
GASKET, Handle	794A723
PLATE, Handle Fastening	794A668
SCREW, Handle Fastening	N646P16008C

CAUTION

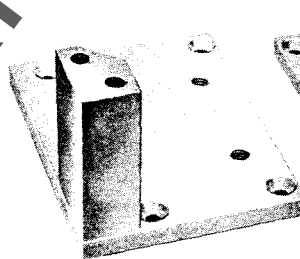
When installing replacement parts, the breaker must be completely deenergized and disconnected from the electrical circuit.

TOOLS REQUIRED

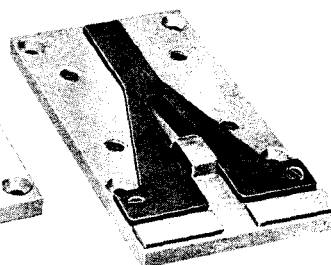
9/16" Box End or Socket Wrench
3/8" Box End or Socket Wrench
4/16" Hex Wrench
5/16" Hex Wrench
8" Adjustable Wrench
Screwdriver, large, square shank
Screwdriver, medium
Tru-Arc Retaining Ring Pliers
2" or 3" C-Clamp



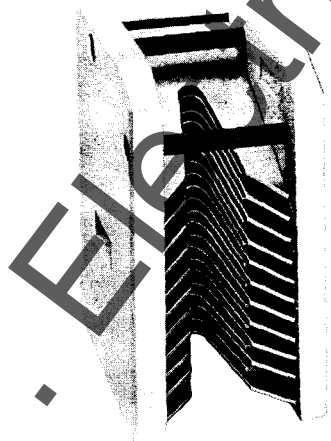
CONTACT ARM
ASSEMBLY



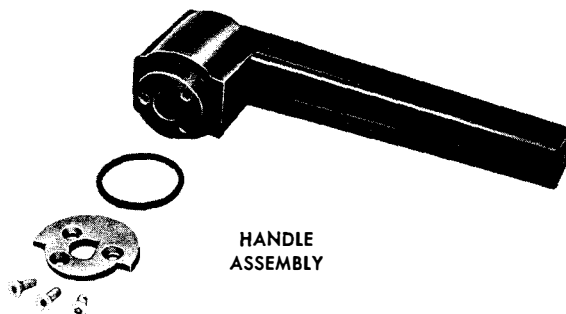
LOAD STRAP
ASSEMBLY



LINE STRAP
ASSEMBLY



ARC CHUTE
ASSEMBLY



HANDLE
ASSEMBLY

These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to the General Electric Company.

GENERAL  **ELECTRIC**

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REPLACING CONTACT ARM ASSEMBLY

For Outside Poles

REMOVE BREAKER COVER

- 1) Manually trip breaker
- 2) Remove escutcheon plate from breaker cover by unscrewing 4 screws.
- 3) Remove breaker cover by unscrewing 4 cover screws. Note: Lower screws concealed by escutcheon plate.

For detailed instructions, see GEH-3371-A

REMOVE TRIP UNIT

- 4) Unscrew hex head bolts but leave in position in line-conductor holes of trip unit coils.
- 5) Unscrew socket head bolts from load-conductor holes of trip unit coils and remove along with lock washers and plain washers.
- 6) Unscrew round head screws.
Trip unit may now be removed from the breaker base.

REMOVING CONTACT ARM ASSEMBLIES, Figure 1.

- 7) Remove 6 Hex Head Screws (A) and 8 Round Head Screws (B), using adjustable wrench and square shank screwdriver to loosen Screws (B). NOTE: Threaded plates in back of breaker will drop free when these screws are removed.
- 8) Lift out center mechanism, along with contact arm assemblies which are attached to Crossbar (D). It may be necessary to pry the front mounting feet of the center mechanism loose because of the dowel pins into the base.
- 9) Remove Hex Nuts (C), lockwashers and clamp plates, Contact arms may now be removed.

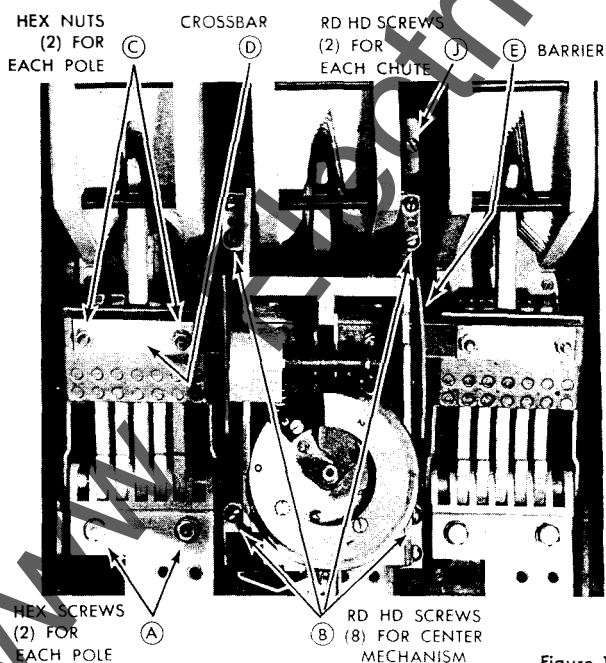


Figure 1

REPLACING CONTACT ARM ASSEMBLIES

- 10) Replace new contact arm assemblies by reversing procedure. Before tightening connections A, B or C, be sure arcing horn is centered in arc chute. Tighten Hex Nuts (C) to 50 in. lbs. When replacing Round Head Screws (B), make certain threaded plates in back of breaker are in correct recesses.
- 11) When replacing breaker cover, make certain Barriers (E) fit into proper cover recesses, otherwise breaker will not operate.

For Center Poles

- 12) Follow Steps 1 through 9 for removal of center mechanism and outside pole contact arms.
- 13) Slide Barrier (E) off end of Crossbar (D).
- 14) Remove Hex Nuts (C), lockwashers and clamp plates, and remove crossbar.
- 15) Position C-Clamp, Figure 2 and tighten to relieve the pressure of Arcing Horn (H) against Pin F. Use paper between contact surfaces of clamp to prevent marring of clamped surfaces.
- 16) Remove Retaining Rings (G) from each end of Pin F with Tru-Arc pliers. Withdraw pin.
- 17) Install new contact arm assembly by reversing procedure. NOTE: When replacing Barrier (E), curved edge is up and chamfered corner towards line end of breaker.

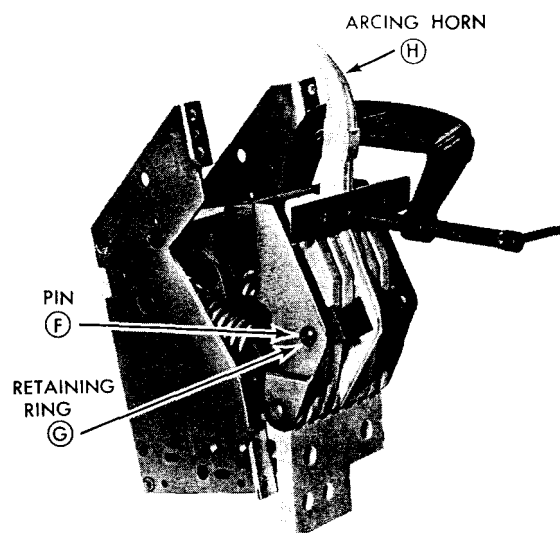


Figure 2

REPLACING ARC CHUTE ASSEMBLY — All Poles

REMOVE BREAKER COVER — Steps 1 to 3

- 18) Remove Round Head Screws (J) Figure 1, and retaining plates. Arc chute may now be lifted out.
- 19) Replace arc chute by reversing procedure. NOTE: Make certain each retaining plate is seated flat in side recess of arc chute before tightening screws.

REPLACING LINE STRAP ASSEMBLY — All Poles

REMOVE BREAKER COVER — Steps 1 to 3

REMOVE ARC CHUTES — Steps 18-19

- 20) Remove 4 Flat Head Screws (A), Figure 3, from each pole strap.
- 21) Lift out line strap and replace. Tighten screws securely.

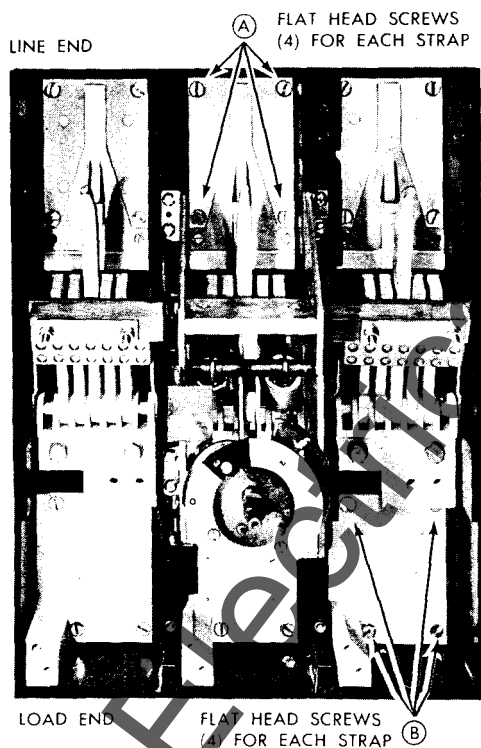


Figure 3

REPLACING LOAD STRAP ASSEMBLY — All Poles

REMOVE BREAKER COVER — Steps 1 to 3

REMOVE TRIP UNIT — Steps 4-6

- 22) Remove 4 Flat Head Screws (B), Figure 3, from each pole strap.
- 23) Lift out load strap and replace. Tighten screws securely.

REPLACING HANDLE ASSEMBLY

REMOVE BREAKER COVER — Steps 1 to 3

- 24) Remove the (3) flat head socket screws holding the retaining plate to the handle.
- 25) Remove plate and draw handle from cover.

To replace new handle

- 26) Apply a grease type lubricant to the bearing surface of the handle.
- 27) Replace rubber ring.
- 28) Insert handle in breaker cover and replace retaining plate and (3) hex screws.



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